

Long Island Has One More Week for Hunting Quail, Grouse, Rabbit and Squirrel; Until Jan. 10 for Wildfowl

ONE FOOT SHELF COMPLETE LIBRARY

Most Interesting and Instructive Works on Angling in Eight Volumes.

WALTON'S LEADS 'EM ALL

By KIT CLARKE.

It is a curious fact that trout are always found in salmon rivers, but no salmon are ever found in trout brooks, doubtless because the brooks are too shallow for the big fish and food is too scarce, yet both fish run into salt water whenever it is accessible.

The greater portion of the salmon's life is spent in the ocean, and in spring, when it visits fresh water and invariably the river in which it was born, the fish is fat and sleek and handsome, yet no food is ever found in its stomach. What it eats during its long sojourn in the sea is unknown, and there is no known instance of a salmon having been captured in salt water.

In the Bay of Chaleurs, some years ago when the water was low many large salmon could plainly be seen lying quietly on the bottom that had evidently just returned from the sea and were tired and resting.

I baited a hook with a squid of live worms and dropped it gently into the water, allowing it to pass slowly before a big fish, but it did not pass far, and when the fish was landed it weighed nineteen pounds. A few moments later, when cleaned, no food of any kind was found in the stomach.

There is, however, one river in which both trout and salmon are found together, and that is the River of the North in Norway. It is a deep and noble river flowing in a huge broad mass between high mountains, and its fishing rights are held by an English gentleman who resides in Liverpool.

In his fine luncheon on the bank of the river I once met a week and saw numbers of powerful herring, trout, salmon and mussels. It was always possible to find salmon on one side of the river, trout on the other and mosquitoes everywhere.

Why Trout Fight Differ.

The fisherman has two methods of ending the career of a fish through the implementation of the hook in the mouth. If the fish is hooked in the roof of the mouth—the upper jaw—the fish is killed. If hooked in the lower jaw—the fish is kept alive.

The fish will therefore be able to sustain a stronger and more persistent combat until its muscular power is exhausted. If, however, the fish is hooked in the lower jaw it is forced to keep its mouth open, the gills fall to operate and it cannot breathe, with the result that it speedily capitulates, having actually been drowned through swallowing its own gills.

There is the reason why some trout put up a much stronger fight than others, an incident which all anglers have met. The knockout blow between the fish and the fisherman is not a matter of strength, but of the position of the hook in the mouth.

It is a fact that the fish will fight as well as for the preservation of the fish by hardening it. It has a brain, and a nervous system is almost negative, and hence undergoes no such sensation as we term pain, their apparent and only object in living is to eat, and the hunger, the preservation of their kind and to supply an incomparable food for the human race.

The fish will suffer greatly if allowed to suffocate to death when landed, to suffocate and die in the air, and no self-respecting angler will tolerate the infliction of such unnecessary punishment upon an innocent and helpless victim.

If he does he is a disgrace to the followers of the gentle art who are persecuted in the highest degree with kindness and mercy.

Angling Literature Plentiful.

During the long, cold and cheerless days of winter, when the earth is covered with snow and the water is frozen, and the fish are hidden beneath the ice, the angler can find comfort and pleasure in the study of angling literature, and therefore we read about our favorite pastime.

Goodness knows we can find that in plenty, for the literature of angling appears to be endless and it really seems as if every good old trout who has landed a few fish becomes impregnated with the fever of literary authorship and forthwith proceeds to relieve himself with a book of angling, the product of a man trying to land an obstinate fish.

The booklets all carry a large array of angling lore, the majority of which are not worth the powder to blow them up. Among the vast number of such works emanating from American writers but very few can be recommended for their reading, and the writer is the first to like to find investigation in this kind of brain and health food.

Among the best books that can be recommended are "The Fisherman's Tale" by Charles H. Hall, "The Fisherman's Tale" by Charles H. Hall, "The Fisherman's Tale" by Charles H. Hall, "The Fisherman's Tale" by Charles H. Hall.

Without a doubt these embrace the most interesting and instructive works upon the subject emanating from native authors, and comprise a complete library upon the topic, and all of them are in the hands of the "Compliment Angler" of Quail Books.

Human Interest in Walton Book.

It was in May, 1853, that Walton's "Compliment Angler" was first published, and from that date to this it has been the standard text book of angling, and while the implements of the art have been greatly improved its practice has altered but little since Walton's time.

The book has been republished in more editions than any other book excepting the Bible and in every conceivable style and price from the cheapest to the most costly. In my opinion the best edition was printed in this country in two volumes and edited by Dr. G. W. Balfour.

The "Compliment Angler" flows with deep human interest, and to this is due its ever appealing, ever enduring power to charm the reader, be he angler or not. Walton put out the dry bones of a practical work on fishing and robed it in an attractive garb of human nature and the most enjoyable story a man—angler or not—can read.

The art of angling has advanced greatly and it can hardly be said the "Compliment Angler" is complete now, yet it has in reality created a widespread love for a delightful sport which claims its votaries by hundreds of thousands throughout the world and employs enormous sums of money in supplying their wants.

As an instructor of all that is worthy in angling, lovable in human nature, devout in spirit, profound in philosophy and endearing in love and enthusiasm Walton will never become obsolete.

CAN'T YOU HEAR THE OUT OF DOORS CALLING? WINTER SPORT TIME IS HERE.



GOING INTO THE BACK COUNTRY

A LITTLE FIRE IS GOING TO MAKE A BIG DIFFERENCE HERE



THIS IS AS FAR AS I CAN TOTE YOU

A ONE NIGHT STAND

WHY NOT TROUTING IN THE ASHOKAN?

Reservoir Would Give Sport to New York City's Thousands.

By LOUIS BRIDGES.

The late Theodore Gordon wrote an article for the December Forest and Stream on "Good Fishing Near Large Cities," which we can have if we follow the wise policy that prevails everywhere abroad.

He suggests that the magnificent Ashokan dam affords an extraordinary opportunity for all good anglers to cooperate in using their combined influence to create one of the finest trout waters in the United States. This dam makes a lake forty miles in circumference, a splendid trout stream, the Esopus, celebrated by its large rainbow and brown trout.

The suggestion should be taken up everywhere in the State, and I beg all New Yorkers to do so at once and on their feet, form a league, start this noble work and carry it to a successful conclusion.

The way to begin is not to beg, but demand in the name of the taxpayers, as part owners, that those put in authority should see that the trout stream is not polluted by the sewage of the city, but is kept as pure as the mountain streams.

The trout should be stocked with a liberal hand, and the fish should be protected from poachers. The trout should be stocked with a liberal hand, and the fish should be protected from poachers.

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NEW YORK IS PENALIZED THESE ARE DAYS FOR GOOD HATCHERIES OF WINTER SPORTS

Because Empire State Maintains Ten, Federal Government Refuses Aid.

Hunting, Fishing, Trapping, Skiing and Sleighing Now On.

These are the days of winter sports—hunting, fishing, trapping, skiing, sleighing, snowshoeing, skating, skating, ice skating, practice, casting, trapping and camping.

Despite the inclemency of the weather, the sportsmen of the Empire State are still out of doors so well that the winter season is now a part of college life looked forward to with pleasure.

In the seven years of its existence, the Empire State has been a great success story. The Empire State has been a great success story. The Empire State has been a great success story.

Europe, before the great war brought thousands of Americans to the Swiss Alps for outdoor pleasures. Now, within a day's journey, the same sport has become a reality for the thousands of Americans who are flocking to the Adirondacks, particularly at Lake Placid and Saranac, and in Canada, especially at Montreal and Quebec.

These winter playgrounds give pleasure to the hunter who seeks rabbits (the season having become closed in New York on other upland game), wildfowl, skunk, muskrat and fox, and to the sportsman who seeks trout, salmon and other fish in the lakes, streams and rivers.

Boys Under 18 to Hunt.

Massachusetts Lets Down Bars When Parents Consent.

Boston, Dec. 23.—During the 1916 season of the Legislature four acts were passed affecting game interests, as follows: Providing a penalty of \$10 to \$50 for hunting birds or quadrupeds with firearms other than shotguns during the open season for deer; providing close seasons throughout the year on health hens, doves, upland plover, quail and other birds; authorizing the issuance of hunting licenses to minors under the age of 18, with written consent of parent or guardian, at the discretion of the clerk who issues licenses; extending the prohibitions against hunting waterfowl and shore birds with traps, artificial lights and power boats to all game.

Open Seasons for Sheep.

Only Two States Have an Open Season for Sheep—Wyoming, where the season closed December 15, and Texas, where the season closed the day after Christmas.

First Day of the Closed Season for Upland Game in Middle States.

ENERGY IN SURF CAST DISCUSSED FOR ANGLER

"Switch Reel" Tells How It is Computed—What Figures Show.

By SWITCH REEL.

An interested student of the surf rod asked me a few days ago how the energy applied to the surf rod was computed.

The answer may be interesting to others, and here it is.

There are three basic factors in all mechanical problems, viz., time, length and weight. In the surf cast two of these, the length and weight, are readily obtainable, while the third, time, can be measured approximately with a stop watch.

Given a cast of 254 feet with a 1 ounce lead in 4 1/2 seconds, what is the energy applied to the lead?

I use these figures as an example because Dr. Simon once made a cast of 354 feet with a 1 ounce lead in 4 1/2 seconds, and found it to be approximately 4 1/2 seconds in flight.

As in the accomplishment of a cast energy is applied in two directions, vertically and horizontally, we will first consider the vertical energy, or that consumed in elevation.

In its flight the lead reaches a certain height and then falls through the same distance. It is clear that during one-half of the time consumed the lead was rising, and during the other half it was falling. Here we can call upon the law of falling bodies to tell us how far a 1 ounce lead will fall in 2 1/4 seconds, and with what energy it will strike.

The formula is, $s = \frac{1}{2}gt^2$, or $s = \frac{1}{2} \times 32 \times 2.25 = 36$ feet. The energy therefore becomes $36 \times 16 = 576$ foot-pounds. So much for elevation or vertical energy. Horizontally the lead has travelled 254 feet in 4 1/2 seconds. Its rate of movement in elevation and in falling was therefore at a mean velocity of $254 \div 4.5 = 56.4$ feet per second, or 56.4 feet per second, multiplied by the weight, 16 ounces, gives an energy of 902.4 foot-pounds.

Thus the total energy realized upon the cast was the sum of the two, or 576 + 902.4 = 1,478.4 foot-pounds. Note the words in italics. The figure 37.1 is not the energy applied to the cast, but it is what was translated into distance. The cast was not given the best possible elevation of the energy consumed in elevation and in falling, but it was given exactly equal energy consumed in the horizontal direction. A little more elevation would have kept the lead in flight a little longer and more distance would have been accomplished.

Let us imagine a cast in which 20 foot-pounds is expended in elevation and the same energy applied horizontally, or a total of 40 foot-pounds. What will be the distance accomplished? We can determine the above methods of computation and retaining the same horizontal velocity it is found that the lead would consume 2.49 seconds in acquiring a striking energy of 20 foot-pounds and cover a distance of 41.4 feet.

Evidently the cast was too low. I've always thought the doctor fails to give his casts enough elevation. Let us try it again. Let us suppose the lead is given 15 foot-pounds in elevation and 15 foot-pounds in horizontal energy, making a total of 30 foot-pounds. The distance accomplished would be 35.7 feet, or within five feet of the world's record.

Boys, look out for the doctor! He's very apt to "come back."

THE TAURUS NOT GOING.

The crew of the fishing steamer Taurus of the Iron Steamboat Line will get a chance to spend Christmas Day on this day. It was announced yesterday that the Taurus would not make its usual trip to the Fishing Banks tomorrow.

Connecticut's Rabbit Season.

In Connecticut the rabbit season lasts until the end of the year.

New York's Rabbit Season.

OUTDOOR SPORT AN EXCELLENT TONIC

Will Take Years From the Age of an Individual—Go Fishing.

A VETERAN'S EXPERIENCE

By EDWIN W. SANBORN.

My first fishing trip for trout were around the source of the Connecticut River. We camped at the lower end of a stream, hiked from five to six miles up a logging road along the stream, cut alder poles and waded down stream between the alder covered banks.

I often had to wade up to the waist and sometimes had to swim. I had no waders or rubber clothes. Our shoes and clothes had to be dried out when we got back to the camp fire.

I remember my shoes getting burned and cracked open the next day. I had to keep them soaked in water for a couple of days before they were fit to wear.

The fish I caught were of various sizes, from a few inches to a couple of feet. I remember one that was about a foot long and weighed about a pound.

It seemed good to have any sort of a swimming stroke.

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PHEASANT IS GAME BIRD OF FUTURE

Catskills Favorable Region for Newcomer From Asia.

WILL AID PARTRIDGE

By CARL SCHURZ SHAFER.

Sportsmen who are familiar with the Catskills Valley and its environs can confidently expect that the coming of the pheasant to this region in considerable numbers marks a great change in the sporting conditions throughout the Catskill and Helderberg mountains.

Running from near the Ashokan dam in the Catskills, through the Helderberg to the Monksville River, the pheasant is being introduced to the Catskills. The pheasant is being introduced to the Catskills. The pheasant is being introduced to the Catskills.

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